

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,138,200 B1  
APPLICATION NO. : 09/665899  
DATED : November 21, 2006  
INVENTOR(S) : Masayoshi Iwase et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Title Page, col. 2: under "U.S. PATENT DOCUMENTS":

After "Nakanishi et al." insert: --4,542,079 A 9/1985 Takeuchi et al.

4,649,091 A 3/1987 McElroy--.

Under "FOREIGN PATENT DOCUMENTS" insert:

--EP 0967675 12/1999--.

Page 2, Col. 2: Change "JP 06-138596 5/1998" to

--JP 08-138696 5/1996--.

After "WO WO 97/33331 9/1997" insert:

--JP 09-50819 2/1997

JP 06-267564 9/1994

JP 58-164156 9/1983--.

<u>Column</u>	<u>Line</u>	
2	8	Change "cathode 12. While" to --cathode 12, while--
3	58	Change "small-seized" to --small-sized--.
4	14	After "approaches" delete "to".
4	16	Change "monotonously" to --uniformly--.
7	53	Change "aplatinic" to --a platinic--.
7	60	Change "Denka Black <sup>198</sup> " to --Denka Black <sup>TM</sup> --.
16	12	Change "F." to --F,--.

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<u>Column</u>	<u>Line</u>	
17	14	Change "132a" (second occurrence) to --132b--.
18	45	Before "contact" insert --in--.
19	20	Change "portion. If" to --portion, if--.
21	3	After "which" insert --are--.
25	43	Change "monotonously" to --uniformly--.
25	67	Change "monotonously" to --uniformly--.
26	44	Change "monotonously" to --uniformly--.
28	21	Change "monotonously" to --uniformly--.
28	24	Change "monotonously" to --uniformly--.
30	1	Change "monotonously" to --uniformly--.
30	23	Change "monotonously" to --uniformly--.
30	48	Change "monotonously" to --uniformly--.
31	21	Change "water dead regions" to --dead water regions--.
31	39	Change "monotonously" to --uniformly--.
32	24	Change "QT (x)" to --QT(x)--.
32	28	Change "deigned" to --designed--.
32	53	Change "monotonously" to --uniformly--.
32	62	Change "monotonously" to --uniformly--.
33	3	Change "monotonously" to --uniformly--.

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<u>Column</u>	<u>Line</u>	
34	4	Change "a rib portions which divide" to --a rib portion which divides--.
34	5	Change "form" to --forms--.
34	43	After "end of" insert --each of the plurality of--.
34	53	Change "a rib portions" to --a rib portion--.
34	54	Change "form" to --forms--.
34	67	After "end of" delete "each".

Signed and Sealed this

Twenty-second Day of May, 2007



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*